

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: HELLO-05006

Serial No.: 09/515,589

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

Applicant: Bruce W. Stelman

Filing Date: 2/29/2000

Group Art Unit: 2742

(37 CFR § 1.98(b))

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
WEB	AA	D312,627	12/4/90	Gutzmer	D14	107	6/16/88
	AB	3,566,271	2/23/71	Whang et al.	325	65	2/18/69
	AC	3,715,513	2/6/73	Miller	179	18 AD	10/29/70
	AD	3,865,995	2/11/75	Kerman et al.	179	99	3/14/73
	AE	3,943,305	3/9/76	Hagedorn	179	175.3 R	11/11/74
	AF	4,088,844	5/9/78	Kinnaird, Jr.	179	99	12/21/76
	AG	4,142,075	2/27/79	Olschewski	179	170	10/11/77
	AH	4,153,916	5/8/79	Miwa et al.	358	257	11/8/77
	AI	4,160,122	7/3/79	Jacobson	179	1 A	5/23/78
	AJ	4,161,633	7/17/79	Treiber	179	170.2	5/8/78
	AK	4,284,859	8/18/81	Araseki	179	170 NC	4/10/79
	AL	4,319,092	3/9/82	van den Enden et al.	179	18 FA	5/14/80
	AM	4,367,374	1/4/83	Serrano	179	2 C	2/17/81
	AN	4,387,271	6/7/83	Artom	179	2 DIP	11/18/80
	AO	4,425,664	1/10/84	Sherman et al.	375	8	5/7/82
	AP	4,446,335	5/1/84	Lee et al.	179	2 C	1/25/82
	AQ	4,506,112	3/19/85	Bitsch	179	81 R	4/8/83
	AR	4,588,856	5/13/86	Cohen	179	2 C	8/23/84
	AS	4,606,044	8/12/86	Kudo	375	13	5/5/84
	AT	4,617,656	10/14/86	Kobayashi et al.	370	74	1/2/86
	AU	4,636,584	1/13/87	Binkerd et al.	379	240	12/19/83
	AV	4,677,667	6/30/87	Burns	379	398	8/29/85
	AW	4,759,054	7/19/88	Mellon	379	145	12/22/86
	AX	4,759,059	7/19/88	Christensen	379	161	6/1/84
	AY	4,782,524	11/1/88	McQuinn et al.	379	395	5/5/87
	AZ	4,788,720	11/29/88	Brennan et al.	379	201	9/3/86
	BA	4,815,121	3/21/89	Yoshida	379	67	6/3/85
	BB	4,825,465	4/25/89	Ryan	379	399	12/10/87
	BC	4,852,153	7/25/89	Streck	379	100	8/11/88
	BD	4,852,160	7/25/89	Kiko et al.	379	405	3/3/87
	BE	4,856,049	8/8/89	Streck	379	67	3/18/88
	BF	4,864,567	9/5/89	Giorgio	370	118	5/4/88
	BG	4,879,738	11/7/89	Petro	379	3	2/16/89
	BH	4,894,860	1/16/90	Korsky et al.	379	240	6/7/88

Examiner:

Date Considered: 1/27/04

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WFB	BI	4,907,267	5/6/90	Gutzmer	379	442	6/16/88
	BJ	4,914,690	4/3/90	Hagedorn	379	233	4/7/89
	BK	4,928,306	5/22/90	Biswas et al.	379	201	2/28/89
	BL	4,932,047	6/5/90	Emmons et al.	379	53	9/2/87
	BM	4,939,767	7/3/90	Saito et al.	379	53	5/17/88
	BN	4,951,312	8/21/90	Tanikawa et al.	379	394	4/27/89
	BO	4,984,262	1/8/91	Kumozaki et al.	379	5	3/2/90
	BP	4,989,243	1/29/91	Choi	379	402	12/30/88
	BQ	4,991,196	2/5/91	Krebs	379	27	7/11/89
	BR	4,996,706	2/26/91	Cho	379	93	5/1/89
	BS	5,001,746	3/19/91	Nishijima	379	99	10/16/89
	BT	5,003,580	3/26/91	Duong et al.	379	93	3/8/89
	BU	5,014,299	5/7/91	Klupt et al.	379	98	7/20/89
	BV	5,018,184	5/21/91	Abrams et al.	379	29	7/3/90
	BW	5,034,978	7/23/91	Nguyen et al.	379	402	12/15/89
	BX	5,073,919	12/17/91	Hagensick	379	29	10/10/90
	BY	5,059,141	10/22/91	Scott	439	638	12/8/89
	BZ	5,097,501	3/17/92	Kutzavitch	379	165	6/29/90
	CA	5,133,006	7/21/92	Khuat	379	399	10/31/90
	CB	5,151,936	9/29/92	Riedle	379	403	5/29/90
	CC	5,164,982	11/17/92	Davis	379	96	9/27/90
	CD	5,172,411	12/15/92	Gazsi	379	402	3/27/91
	CE	5,175,763	12/29/92	Gazsi	379	402	3/27/91
	CF	5,179,586	1/12/93	Lee	379	93	3/13/91
	CG	5,185,789	2/9/93	Hanon et al.	379	395	5/30/90
	CH	5,206,898	4/27/93	Nishijima	379	90	10/30/91
	CI	5,237,605	8/17/93	Peak et al.	379	399	12/24/90
	CJ	5,249,218	9/28/93	Sainton	379	59	4/6/92
	CK	5,289,538	2/22/94	Lauer et al.	379	402	3/14/91
	CL	5,321,745	6/14/94	Drory et al.	379	351	8/27/92
	CM	5,323,449	6/21/94	Mori et al.	379	100	8/23/91
	CN	5,323,451	6/21/94	Yatsunami	379	100	9/10/93
	CO	5,333,194	7/26/94	Caesar	379	402	10/15/90
	CP	5,365,577	11/15/94	Davis et al.	379	96	5/1/92
	CQ	5,444,770	8/22/95	Davis et al.	379	99	11/30/93

Examiner: *Walter B. Stelman*

Date Considered: 1/27/04

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U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
WFB	CR	5,448,646	9/5/95	Lucey et al.	381	74	11/1/93
	CS	5,454,036	9/26/95	Gleeman et al.	379	392	6/15/94
	CT	5,455,859	10/3/95	Gutzmer	379	442	11/28/94
	CU	5,471,523	11/28/95	Smith et al.	379	165	7/14/93
	CV	5,473,676	12/5/95	Frick et al.	379	99	8/8/94
	CW	5,493,609	2/20/96	Winseck, Jr. et al.	379	96	7/7/94
	CX	5,528,685	6/18/96	Cwynar et al.	379	405	7/8/94
	CY	5,533,092	7/2/96	Kaziwara	379	21	2/18/93
	CZ	5,550,901	8/27/96	Williams	379	93	8/24/94
	DA	5,550,913	8/27/96	McMaster et al.	379	230	12/9/94
	DB	5,555,300	9/10/96	Gutzmer	379	395	3/7/94
	DC	5,557,669	9/17/96	Perry et al.	379	339	10/12/93
	DD	5,557,670	9/17/96	Perry et al.	379	339	10/12/93
	DE	5,557,672	9/17/96	Perry et al.	379	399	3/10/93
	DF	5,577,115	11/19/96	Deutsch et al.	379	399	3/31/95
	DG	5,583,922	12/10/96	Davis et al.	379	96	4/5/95
	DH	5,586,181	12/17/96	Kiko	379	399	11/9/94
	DI	5,621,731	4/15/97	Dale et al.	370	79	2/4/94
	DJ	5,625,679	4/29/97	Gutzmer	379	99	4/23/96
	DK	5,629,926	5/13/97	Deutsch et al.	370	252	3/31/95
	DL	5,631,955	5/20/97	Adams et al.	379	387	5/15/95
	DM	5,671,251	9/23/97	Blackwell et al.	375	222	2/28/95
	DN	5,825,873	10/20/98	Duncan et al.	379	419	7/18/97

Examiner: *WFB*

Date Considered: 1/27/04

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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
WFB	DO	WO 93/03561	2/18/93	WO	H04L	1/20		X
	DP	WO 97/36411	10/2/97	WO	H04M			X
	DQ	0 331 838 A2	9/13/89	EP	H04M	9/00		X
	DR	DE 3410145 A1	10/3/85	DE	H04M	3/42		X
	DS	WO 95 24792 A	9/14/95	WIPO	H04M			X
	DT	0 298 719	1/11/89	EP	H04M	9/08		X
	DU	GB 2 303 021 A	2/5/97	Great Britain	H04Q	11/04		X
	DV	DE 195 27 806 C	1/2/97	Germany	H04M	3/42		X
	DW	EP 0 690 652 A2	1/3/96	EPO	H04Q	11/04		X
	DX	EP 0 555 015 A	8/11/93	EPO	H04Q	11/04		X
	DY	WO 93 12622 A	6/24/93	WIPO	H04Q	11/04		X
	DZ	EP 0 542 705 A	5/19/93	EPO	H04Q	3/62		X
V	EA	WO 91 16796 A	10/31/91	WIPO	H04Q	11/04		X

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

WFB	EB	K.D. Witt, "Switch Box For Voice/Data Communication" IBM Technical Disclosure Bulletin, Vol. 14 No. 5, October 1971
	EC	Precision Components, Inc.'s advertisement for Data Switch in Teleconnect Magazine, May 1988
	ED	TVMP, Inc.'s advertisement for PHONEFLEX in PC Week Magazine, June 1988
	EE	A-Jem's data sheet, January 1988
	EF	Walker Equipment Corp. advertisement for W10 Receiver Amplifier, September 8, 1986, page 65
V	EG	Signetics Linear Products, TEA 1060/61 Product Specification, pages 6 to 6-112, August 1, 1998

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Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
WFB	AA	6,128,384	10/03/00	Papandopoulos et al.	379	413	12/22/97
	AB						
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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	AK							
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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

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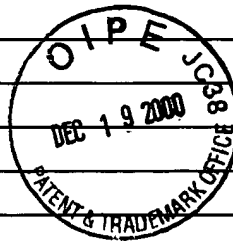
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U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
WFB	AA	4,689,814	8/25/87	Warner, II	379	93	5/29/86
↓	AB	4,873,718	10/10/89	Barnett et al.	379	156	11/22/88
↓	AC	4,928,306	5/22/90	Biswas et al.	379	201	2/28/89
↓	AD	5,097,501	3/17/92	Kutzavitch	379	165	6/29/90
↓	AE	5,999,593	12/7/99	Krawiec et al.	379	15	1/20/98
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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

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							Yes	No
WFB	AL	WO 99/25132	05/20/99	WO	H04Q	3/62		x
↓	AM	WO 99/25133	05/20/99	WO	H04Q	3/62		x
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AQ	"Intelligent Terminator" Technik, Pub. Date. 1/17/97, XP000691784, p. 46-47.
	AR	
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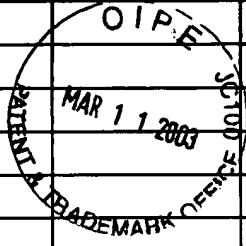
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	AO							
	AP							

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